

WE CLAIM:

1. A transaction processing system capable of providing one or more services and connecting one or more clients to each service the system provides, comprising:

means for storing priority conditions defined according to the services provided; and

means of execution prioritization for deciding execution priorities to processing requests input from the clients to said transaction processing system by referring to the priority conditions held or stored in said priority condition storing means,

such that processing is carried out according to the decided priorities.

2. The system according to claim 1, wherein said means of execution prioritization gives higher priorities to processing requests for services the priority conditions of which are defined high in priority.

3. A transaction processing system capable of providing one or more services and connecting one or more clients to each service the system provides, comprising:

means for storing priority conditions defined according to the services provided;

queuing means for storing processing requests sent from the clients for the services provided while putting the respective services into a particular order;

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means for obtaining waiting conditions of the stored process requests from said queuing means; and

means of execution prioritization for deciding execution priorities to the processing requests input from the clients to said transaction processing system by referring to the priority conditions held or stored in said priority condition storing means and waiting conditions obtained,

such that processing is carried out according to the decided priorities.

4. The system according to claim 3, wherein said means for obtaining waiting conditions obtains:

the number of processing requests that have been kept waiting in said queuing means; and

the time of arrival of each processing request that has been kept waiting in said queuing means.

5. The system according to claim 4, wherein said means of execution prioritization decides the execution priority by comparing allowable waiting time defined for each provided service with the time of arrival of the processing request concerned obtained by said means for obtaining waiting conditions.

6. A transaction processing system capable of providing one or more services and connecting one or more clients to each service the system provides, comprising:

means for storing an identifier or

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identifiers of one or more execution modules constituting each service;

storage means for storing the execution module or modules; and

means for managing an update of each execution module on the basis of the identifier,

wherein when the execution module is updated by said update managing means, the updated execution module is placed to the storage means prior to starting the transaction corresponding to the service.

7. The system according to claim 6, wherein said update managing means exclusively performs an update of one or more execution modules for each service and detection of the update of the execution modules.

8. A transaction processing system capable of providing one or more services and connecting one or more clients to each service the system provides, comprising:

queuing means for storing processing requests sent from the clients for the services provided while putting the respective services into a particular order;

means for obtaining waiting conditions of the process requests stored in said queuing means;

means for detecting transaction throughput to each service; and

means for allocating transaction processing processes to the service,

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9. The system according to claim 8, wherein said process allocating means increases the number of processes to be allocated as processing requests stored in said queuing means increases, and reduces the number of processes to be allocated as processing requests stored in said queuing means decreases.

11. A program having a computer execute transaction processing capable of providing one or more services and connecting one or more clients to each of the services provided, comprising:

queuing means for storing, in a queue or queues, processing requests sent from the clients for the services provided while putting the respective services into a particular order;

means for obtaining waiting conditions of the  
stored process requests stored in the queue or queues;

means of execution prioritization for

means for letting the computer execute transaction processing according to the decided priorities.

means for judging update conditions of an execution module or modules on the basis of an identifier or identifiers of one or more execution modules constituting the service; and

means for placing updated execution module or modules if nay to storage means prior to starting the transaction or transactions corresponding to the service.